

SCREEN

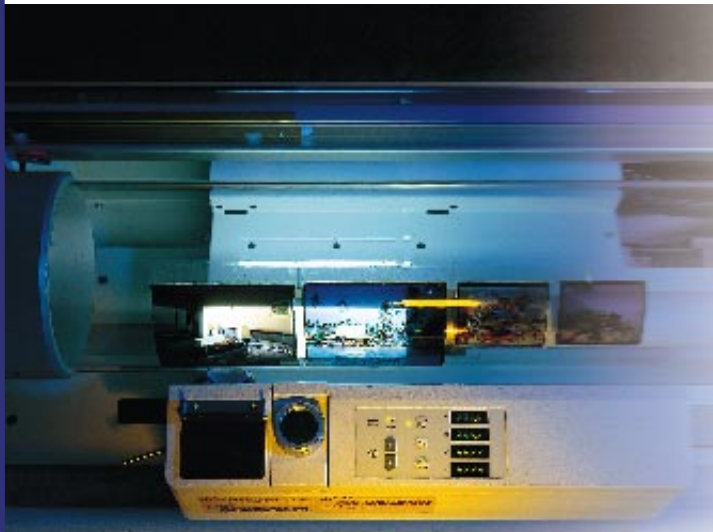
I N P U T

SG-8060P MarkII

High-end Input Scanner



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SG-8060P Mark II

Dainippon Screen is proud to introduce the significantly advanced SG-8060P Mark II digital color drum scanner. This precision unit features a high-tech scanning head, continuing the previous model's high performance in a variety of input capabilities, including a maximum input size of 600 x 538 mm (23.6" x 21.2"), resolution of up to 12,000 dpi, and a magnification ranging from 10 to 3,000%. In addition, such fully automated functions as trimming and measuring magnification increase productivity. The "deMoiré" is also available as an optional accessory. The "deMoiré" reduces moiré before executing output. What's more, the SG-8060P Mark II's 14 DSP (Digital Signal Processor) circuits work to provide all this quality at the even higher speed than you ever expected. To provide the quality you require, Dainippon Screen strives to maintain its leading role in the development of state of the art technology.



* With optional monitor table and rear table for customer's Macintosh system.

High quality

The latest in light source technology

The SG-8060P Mark II is equipped with a special scanning head that provides unusually high image quality whether you are scanning transparencies or reflective materials. The Xenon lamp, being brighter than standard halogen lamps, captures subtle shadings even in shadow areas, and removes noise from the image signal. Thanks to extensive illumination distribution, the multi-directional illumination system ensures consistent and accurate color readings.

High resolution and a wide magnification range

The SG-8060P Mark II can output in resolutions of up to 12,000 dpi. It also offers an exceptionally wide magnification range; images can be magnified to between 10.0 and 3,000.0% of their original size, in 0.1% increments. With this kind of image resolution and magnification range, virtually any image can be used for practically any purpose.

Digital USM for striking images

The SG-8060P Mark II employs digital unsharp masking for superior results. Areas of the image with different contrasts are handled individually, giving the appropriate sharpness to each area of the image, rather than the usual overall average. Since sharpness varies according to the original contrasts in the image, digital unsharp masking preserves the flavor of the image while also making it cleaner and clearer.

AI setup

The AI channels analyze the prescanned image, automatically set highlight and shadow points, and create superior tonal balance. This is especially useful for high-key, low-key, or faded originals. Operators need only select the appropriate AI channel; and the program does the rest. The AI channels can be customized according to your job types. The AI setup program for negative originals furnishes appropriate parameters found for typical brands of negative film. Dainippon Screen's AI setup provides effortless, consistently high-quality results for both the novice and the expert.

Soft proofing with ColorSync

ColorSync is a color matching system that makes possible accurate color matching between displays, printers, and scanners by utilizing profiles in which the individual characteristics of these devices are written. The SG-8060P Mark II employs this system to soft proof the finish of printed materials on the display. The profile making software, Fit, is also provided with the SG-8060P Mark II, allowing it to make monitor profiles that conform to the ICC standard.

Professional aspirations, Digital revolution is here.



Enhanced functionality & Easy operation

Batch scanning with the click of the mouse

Prescan the images mounted on the drum. Select AI or manual setup, or use presets to define the images' setups. When you've finished setting up each image, just click on SCAN to start batch scanning. The unit's automated focus, aperture, and light source combine with the setups to scan up to 100 originals. You can even save the setups should the need for rescanning arise.

16-bit output at high speeds, ample image input size

The SG-8060P Mark II can scan images in 24 or 48-bit RGB, as well as 32-bit CMYK. Just choose the level of quality you need. Then apply that quality to any original up to 600 x 538 mm (23.6" x 21.2").

Flexible output formats for a variety of uses

The SG-8060P Mark II can output in a variety of formats to suit your different needs. TIFF, EPS, ScitexCT, and PICT format output of RGB data, as well as TIFF, EPS, and ScitexCT format output of CMYK data are available. EPS JPEG format is also supported. Different images on the same drum can be output in different formats during batch scanning operations, and a simple mouse operation allows the operator to select the desired format for each image.

Supports ICR

The SG-8060P Mark II features ICR, a function that allows the operator to reduce the total amount of ink used during printing. All you have to do is select an ICR level, and the image's CMY gray component is automatically replaced with black.

Automation you can trust

The SG-8060P Mark II features advanced automation that makes high-quality scanning a snap. The aperture is digitally controlled, to give you the finest focus possible for every situation. The automatic aperture setting for each magnification setting enables programmed batch scanning of originals with different resolution requirements. Auto-focus eliminates the need to focus manually. Automated light source selection lets you use batch scanning even when transparent and reflective originals are mounted on the same drum. An enlargement/reduction ratio can be calculated by specifying the finished size between the two points on the preview image. All this adds up to a lot of saved time for your operators, and increased throughput overall.

Setup made easy with the preset library

The SG-8060P Mark II allows you to save commonly used settings as presets, in a special preset library. These presets can include any of the settings normally used for setup, and can save the operator a great deal of time. If the original is slightly different from the standard, the operator can tweak the settings to compensate. The library, which is stored in the hard disk, is virtually unlimited in size.



Prescanning made simple

Prescanning with the SG-8060P Mark II greatly reduces overall set up time and simplifies operation with its additional automated functions; a trimming function, which automatically detects original positions by analyzing prescanned image densities, and an automated scan resolution setting function, which determines optimized scanning resolutions according to the specified area sizes for previewing.

Just select the AI setup channel and the section of the drum you want to use for prescan. You can also manually set up the originals. The advanced driver software gives even easier-to-use GUI than its predecessor.

Optional accessories

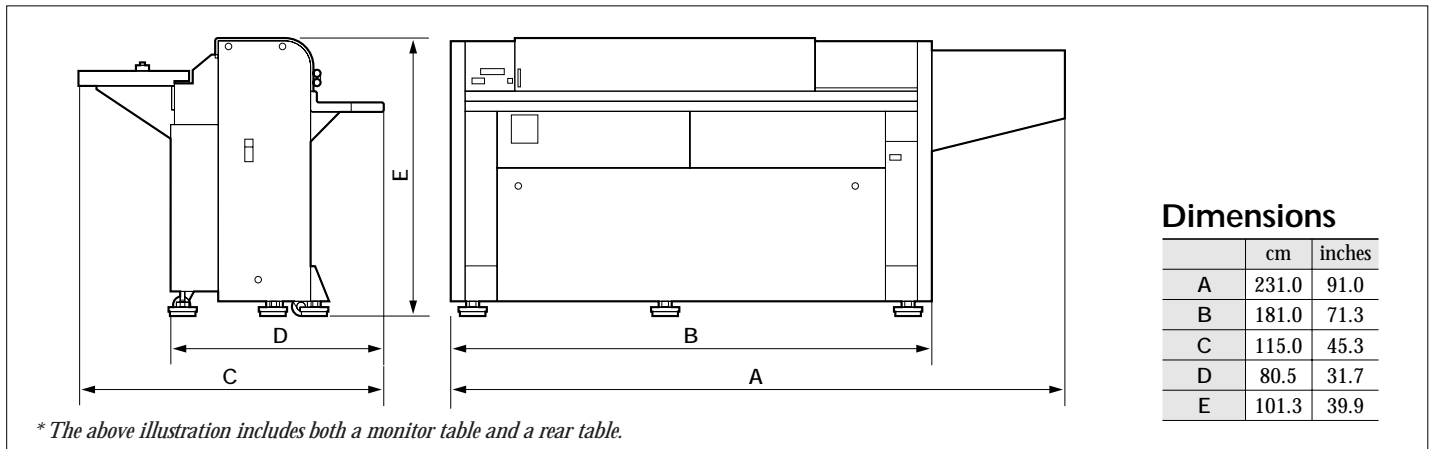
deMoiré Moiré Reduction Option for SG-8060P Mark II

Dainippon Screen's innovative new option, "deMoiré," detects and corrects moiré patterns, freeing operators from the difficult task of doing so manually. "deMoiré," which incorporates a Screen-developed algorithm, catches moiré patterns before they get a chance to cause trouble and delays in downstream processes such as CTP platemaking and digital printing. Preventing moiré problems early saves time and increases productivity. What's more, "deMoiré" is easy to use and does not require a high level of skill.

Mono tone function

Ordinarily, only the black separation is used to create monochromatic images. The SG-8060P Mark II, however, outputs CMYK four color separations to render gray tones, thus enabling the creation of more contrasting monochromatic images.

Space Requirements



Dimensions

	cm	inches
A	231.0	91.0
B	181.0	71.3
C	115.0	45.3
D	80.5	31.7
E	101.3	39.9

Specifications

Model	SG-8060P MarkII
Light sensor	Xenon lamp, 75W
Original types	Transparency and reflection
Max. original size	A type: 600 x 538 mm (23.6" x 21.2") (circumference) B type: 287 x 255 mm (10.9" x 10.0") (circumference) AL type: 645 x 538 mm (25.4" x 21.2") (circumference)
Drum type	A type: ø180 x 600 mm (standard) B type: ø90 x 287 mm (optional) AL type: ø180 x 645 mm (optional)
Focus	Preset or auto
Aperture	Variable unstepped auto-aperture
Drum rotation	Max. 1,200 rpm
Magnification	10.0 -3,000.0% in 0.1% increments
Output resolution	40 -12,000 dpi
Max. density	4.3D (typical value)
Batch scanning	Maximum 100 originals (varies with system being used)
Output color depth	RGB: 8 bit or 16 bit per color CMYK: 8 bit per color Gray: 8 bit per pixel
Calorific value	1,700 kJ (410 kcal)/ 1,600 BTU
Output file formats	RGB: TIFF, EPS, PICT, Scitex CT CMYK: TIFF, EPS, Scitex CT Gray: TIFF, EPS, PICT, Scitex CT
Interface	SCSI 2 Pixels expressed in 8- or 16 bit color data; output: pixel interleave.
Recommended host computer	PowerMacintosh (For details, contact any of the Screen representatives listed below.)
Power requirements	Single phase 200-230V, 0.48 kW 2.5A
Weight	approx. 480 kg (1,056 lbs.)
Environment	23 ± 2°C (73.4 ± 4°F), 50-70% RH

Standard accessories

Scanner A cylinder
Cylinder case
Driver software disks
SCSI cable
SCSI terminator
Extension serial cable

Optional accessories

Scanner AL cylinder (transparent type)
Scanner AL cylinder (semitransparent type)
Scanner B cylinder
Original mounting device
Monitor table
Rear table
Monochrome function
deMoiré

DAINIPPON SCREEN MFG. CO., LTD.

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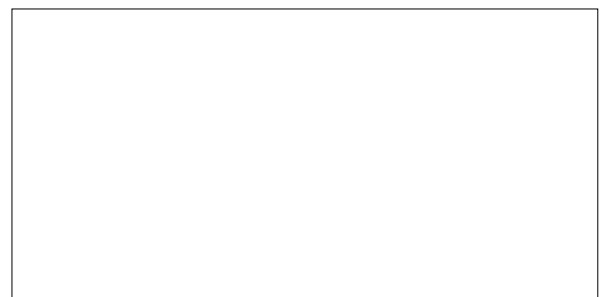
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• Printed on recycled paper.



Internet web site <http://www.screen.co.jp/>

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